

0590
1009

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/977,053

DATE: 11/06/2001
TIME: 10:50:42

Input Set : A:\LEX-0256-USA seqlist.txt
Output Set: N:\CRF3\11062001\I977053.raw

4 <110> APPLICANT: Friddle, Carl Johan
5 Hilbun, Erin
6 Walke, D. Wade
7 Turner, C. Alexander Jr.
9 <120> TITLE OF INVENTION: Novel Human Membrane Protein and
10 Polynucleotides Encoding the Same
13 <130> FILE REFERENCE: LEX-0256-USA
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C--> 15 <141> CURRENT FILING DATE: 2001-10-12
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16 <151> PRIOR FILING DATE: 2000-10-13
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23 <211> LENGTH: 3324
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25 <213> ORGANISM: homo sapiens
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30 ggggcccccg ggagtatccc cgcgcgcgc gctctggcg acaagggc ggggagcaga 180
31 gtggagcggc tggccggcgc gttccggcga cgcgtgcggc tggctgggga gtcagcgg 240
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33 agcgagctca tggctgtccg caagctgtc tccgacttcc cctgtgtgcc cacggccacg 360
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36 tcctaccgag gtgcggcac ctacaccaag ggcgcctcc agcaagccgc gcaaattctt 540
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ENTERED

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Input Set : A:\LEX-0256-USA seqlist.txt
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59 gctatcgat acacggcaac tgacccatcc ggcaaccagg ccagctgcat tttccatatac 1920
60 aaggttattt atgcagaacc acctgtcata gactggtgcg gatctccacc tcccgccag 1980
61 gtctcgagaa aggtacatgc cgcaagctgg gatgagcctc agttctcaga caactcaggg 2040
62 gctgaattgg tcattaccag aagtcataca caaggagacc tttccctca aggggagact 2100
63 atagtagt atacagccac tgaccctca ggcaataaca ggacatgtga tatccatatt 2160
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65 actccagata atactggagt caactgtaca ttaacttgcg tggaggcata tgatttcaca 2280
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87 <212> TYPE: PRT
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93 Gly Trp Ala Thr Phe Gln Gln Met Ser Pro Ser Arg Asn Phe Ser Phe
94 20 25 30
95 Arg Leu Phe Pro Glu Thr Ala Pro Gly Ala Pro Gly Ser Ile Pro Ala
96 35 40 45
97 Pro Pro Ala Pro Gly Asp Glu Ala Ala Gly Ser Arg Val Glu Arg Leu
98 50 55 60
99 Gly Gln Ala Phe Arg Arg Arg Val Arg Leu Leu Arg Glu Leu Ser Glu
100 65 70 75 80
101 Arg Leu Glu Leu Val Phe Leu Val Asp Asp Ser Ser Ser Val Gly Glu
102 85 90 95
103 Val Asn Phe Arg Ser Glu Leu Met Phe Val Arg Lys Leu Leu Ser Asp
104 100 105 110
105 Phe Pro Val Val Pro Thr Ala Thr Arg Val Ala Ile Val Thr Phe Ser
106 115 120 125
107 Ser Lys Asn Tyr Val Val Pro Arg Val Asp Tyr Ile Ser Thr Arg Arg

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|-----|---|-----|-----|
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| 109 | Ala Arg Gln His Lys Cys Ala Leu Leu Leu Gln Glu Ile Pro Ala Ile | | |
| 110 | 145 | 150 | 155 |
| 111 | Ser Tyr Arg Gly Gly Thr Tyr Thr Lys Gly Ala Phe Gln Gln Ala | | 160 |
| 112 | 165 | 170 | 175 |
| 113 | Ala Gln Ile Leu Leu His Ala Arg Glu Asn Ser Thr Lys Val Val Phe | | |
| 114 | 180 | 185 | 190 |
| 115 | Leu Ile Thr Asp Gly Tyr Ser Asn Gly Gly Asp Pro Arg Pro Ile Ala | | |
| 116 | 195 | 200 | 205 |
| 117 | Ala Ser Leu Arg Asp Ser Gly Val Glu Ile Phe Thr Phe Gly Ile Trp | | |
| 118 | 210 | 215 | 220 |
| 119 | Gln Gly Asn Ile Arg Glu Leu Asn Asp Met Ala Ser Thr Pro Lys Glu | | |
| 120 | 225 | 230 | 235 |
| 121 | Glu His Cys Tyr Leu Leu His Ser Phe Glu Glu Phe Glu Ala Leu Ala | | 240 |
| 122 | 245 | 250 | 255 |
| 123 | Arg Arg Ala Leu His Glu Asp Leu Pro Ser Gly Ser Phe Ile Gln Asp | | |
| 124 | 260 | 265 | 270 |
| 125 | Asp Met Val His Cys Ser Tyr Leu Cys Asp Glu Gly Lys Asp Cys Cys | | |
| 126 | 275 | 280 | 285 |
| 127 | Asp Arg Met Gly Ser Cys Lys Cys Gly Thr His Thr Gly His Phe Glu | | |
| 128 | 290 | 295 | 300 |
| 129 | Cys Ile Cys Glu Lys Gly Tyr Tyr Gly Lys Gly Leu Gln Tyr Glu Cys | | |
| 130 | 305 | 310 | 315 |
| 131 | 320 | 325 | 330 |
| 132 | 335 | 330 | 335 |
| 133 | Ile Ser Ser Cys Ile Pro Cys Pro Asp Glu Asn His Thr Ser Pro Pro | | |
| 134 | 340 | 345 | 350 |
| 135 | Gly Ser Thr Ser Pro Glu Asp Cys Val Cys Arg Glu Gly Tyr Arg Ala | | |
| 136 | 355 | 360 | 365 |
| 137 | Ser Gly Gln Thr Cys Glu Leu Val His Cys Pro Ala Leu Lys Pro Pro | | |
| 138 | 370 | 375 | 380 |
| 139 | Glu Asn Gly Tyr Phe Ile Gln Asn Thr Cys Asn Asn His Phe Asn Ala | | |
| 140 | 385 | 390 | 395 |
| 141 | 400 | 405 | 410 |
| 142 | 415 | 410 | 415 |
| 143 | Ile Ile Leu Cys Leu Pro Asn Gly Leu Trp Ser Gly Ser Glu Ser Tyr | | |
| 144 | 420 | 425 | 430 |
| 145 | 435 | 440 | 445 |
| 146 | 445 | 440 | 445 |
| 147 | Ile Ser Cys Ser Thr Arg Glu Met Leu Tyr Lys Thr Thr Cys Leu Val | | |
| 148 | 450 | 455 | 460 |
| 149 | 460 | 470 | 475 |
| 150 | 480 | 475 | 480 |
| 151 | Gln Gly Asn Ser Gln Trp Asp Gly Pro Glu Pro Arg Cys Val Glu Arg | | |
| 152 | 485 | 490 | 495 |
| 153 | 495 | 505 | 510 |
| 154 | 510 | 505 | 510 |
| 155 | 515 | 520 | 525 |
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157 Cys Arg Gln Gly Phe Ile Leu Ser Gly Val Lys Glu Met Leu Arg Cys
158 530 535 540
159 Thr Thr Ser Gly Lys Trp Asn Val Gly Val Gln Ala Ala Val Cys Lys
160 545 550 555 560
161 Asp Val Glu Ala Pro Gln Ile Asn Cys Pro Lys Asp Ile Glu Ala Lys
162 565 570 575
163 Thr Leu Glu Gln Gln Asp Ser Ala Asn Val Thr Trp Gln Ile Pro Thr
164 580 585 590
165 Ala Lys Asp Asn Ser Gly Glu Lys Val Ser Val His Val His Pro Ala
166 595 600 605
167 Phe Thr Pro Pro Tyr Leu Phe Pro Ile Gly Asp Val Ala Ile Val Tyr
168 610 615 620
169 Thr Ala Thr Asp Leu Ser Gly Asn Gln Ala Ser Cys Ile Phe His Ile
170 625 630 635 640
171 Lys Val Ile Asp Ala Glu Pro Pro Val Ile Asp Trp Cys Arg Ser Pro
172 645 650 655
173 Pro Pro Val Gln Val Ser Glu Lys Val His Ala Ala Ser Trp Asp Glu
174 660 665 670
175 Pro Gln Phe Ser Asp Asn Ser Gly Ala Glu Leu Val Ile Thr Arg Ser
176 675 680 685
177 His Thr Gln Gly Asp Leu Phe Pro Gln Gly Glu Thr Ile Val Gln Tyr
178 690 695 700
179 Thr Ala Thr Asp Pro Ser Gly Asn Asn Arg Thr Cys Asp Ile His Ile
180 705 710 715 720
181 Val Ile Lys Gly Ser Pro Cys Glu Ile Pro Phe Thr Pro Val Asn Gly
182 725 730 735
183 Asp Phe Ile Cys Thr Pro Asp Asn Thr Gly Val Asn Cys Thr Leu Thr
184 740 745 750
185 Cys Leu Glu Gly Tyr Asp Phe Thr Glu Gly Ser Thr Asp Lys Tyr Tyr
186 755 760 765
187 Cys Ala Tyr Glu Asp Gly Val Trp Lys Pro Thr Tyr Thr Glu Trp
188 770 775 780
189 Pro Asp Cys Ala Lys Lys Arg Phe Ala Asn His Gly Phe Lys Ser Phe
190 785 790 795 800
191 Glu Met Phe Tyr Lys Ala Ala Arg Cys Asp Asp Thr Asp Leu Met Lys
192 805 810 815
193 Lys Phe Ser Glu Ala Phe Glu Thr Thr Leu Gly Lys Met Val Pro Ser
194 820 825 830
195 Phe Cys Ser Asp Ala Glu Asp Ile Asp Cys Arg Leu Glu Asn Leu
196 835 840 845
197 Thr Lys Lys Tyr Cys Leu Glu Tyr Asn Tyr Asp Tyr Glu Asn Gly Phe
198 850 855 860
199 Ala Ile Gly Pro Gly Gly Trp Gly Ala Ala Asn Arg Leu Asp Tyr Ser
200 865 870 875 880
201 Tyr Asp Asp Phe Leu Asp Thr Val Gln Glu Thr Ala Thr Ser Ile Gly
202 885 890 895
203 Asn Ala Lys Ser Ser Arg Ile Lys Arg Ser Ala Pro Leu Ser Asp Tyr
204 900 905 910
205 Lys Ile Lys Leu Ile Phe Asn Ile Thr Ala Ser Val Pro Leu Pro Asp

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Input Set : A:\LEX-0256-USA seqlist.txt
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206 915 920 925
 207 Glu Arg Asn Asp Thr Leu Glu Trp Glu Asn Gln Gln Arg Leu Leu Gln
 208 930 935 940
 209 Thr Leu Glu Thr Ile Thr Asn Lys Leu Lys Arg Thr Leu Asn Lys Asp
 210 945 950 955 960
 211 Pro Met Tyr Ser Phe Gln Leu Ala Ser Glu Ile Leu Ile Ala Asp Ser
 212 965 970 975
 213 Asn Ser Leu Glu Thr Lys Lys Ala Ser Pro Phe Cys Arg Pro Gly Ser
 214 980 985 990
 215 Val Leu Arg Gly Arg Met Cys Val Asn Cys Pro Leu Gly Thr Tyr Tyr
 216 995 1000 1005
 217 Asn Leu Glu His Phe Thr Cys Glu Ser Cys Arg Ile Gly Ser Tyr Gln
 218 1010 1015 1020
 219 Asp Glu Glu Gly Gln Leu Glu Cys Lys Leu Cys Pro Ser Gly Met Tyr
 220 1025 1030 1035 1040
 221 Thr Glu Tyr Ile His Ser Arg Asn Ile Ser Asp Cys Lys Gly Arg Gly
 222 1045 1050 1055
 223 Leu Leu Asp Ile Ser Thr Arg Ser Ser Pro Ile Phe Val Ser Leu Leu
 224 1060 1065 1070
 225 Gly Glu Arg Lys Ile Tyr Phe Leu His Pro Thr Leu Gly Ser Cys Leu
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 229 Tyr Ser Ile
 230 1105
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 235 <212> TYPE: DNA
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 238 <400> SEQUENCE: 3
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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/977,053

DATE: 11/06/2001
TIME: 10:50:44

Input Set : A:\LEX-0256-USA seqlist.txt
Output Set: N:\CRF3\11062001\I977053.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application No
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date